



## **Towards a greener future of mobility**

Use of green energies, CO<sub>2</sub> neutrality, resource-saving processes, recycling concepts – there is a lot a company can do to operate in a way that is as healthy as possible for our planet. It is no longer only a question of what and how quickly a factory delivers, but also of how it produces. Great Wall Motor (GWM) and its brands want to contribute to sustainable mobility and a cleaner future for our planet earth.

Regarding production and emission, GWM ensures that all pollutants such as wastewater, exhaust gas and noise, meet the emission standards. GWM is adopting stringent management criteria and requirements and continuously reduces greenhouse gas emissions.

As a next step, GWM will open its first zero-carbon factory in 2023 and expand its recycling system for the automotive industry production chain. By looking at carbon emissions for the full life cycle of its products, GWM ensures to attain maximal economic, environmental, and social benefits.

### **Important: Closed material chains**

GWM has also introduced a complete battery recycling system. Decommissioned batteries as well as unqualified batteries and waste generated in the process of battery production can be recycled through GWM's vehicle recycling network. Sulphate and lithium carbonate are extracted by means of hydrometallurgy and then made into precursors and cathode materials.

This allows for closed-loop recycling – a very important step to reduce the need of primary materials. GWM is not only concerned with the batteries, but it also feels responsible for the entire car.

### **Production with renewable energy**

The company will also continuously promote the application of renewable and clean energy and add photovoltaic power stations wherever possible. The amount of residue heat, residue energy and reclaimed water that is reused and recycled in the production process will be increased as well.

Adhering to green production, GWM is focused on the whole life cycle of carbon emissions to establish a circular and renewable production chain through the continuous adjustment of energy structure and the application of low-carbon processes. All these measures are part of our target to become a fully carbon neutral company by 2045.

But GWM not only sets itself the highest possible standards for sustainability. Suppliers are also encouraged to produce in a resource-friendly way.

### **ORA**

GWM's brand ORA also follows the mission to provide climate neutral mobility without compromising neither style nor performance. ORA is a Car-Panion for a sustainable lifestyle.

The smooth shape and low drag-coefficient of the vehicles' exterior help to turn valuable energy into an impressive driving range. ORA does not only provide sustainable driving. The brand takes a holistic approach when it comes to reducing emissions and environmental impact of individual mobility. The high-quality interiors of all ORA cars offer outstanding comfort to the customers while exclusively using vegan materials that feel as luxurious as real leather. Ultra-purified foam is used to ensure the best interior air quality.



But sustainability does not stop here. At ORA we are even looking beyond the life of our cars on the road. Therefore, we are committed to setting up facilities to recycle, dismantle and reuse the resources used in the ORA cars to the highest degree possible. That also includes recycling batteries that reached their maximum charging cycles and extracting valuable raw-materials such as sulfate and lithium carbonate to form closed-loop recycling.